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PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail****Mail Stop ISSUE FEE
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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

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Brian D. Ogonsowsky

(Depositor's name)

(Signature)

3/3/05

(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/854,092	05/10/2001	Tony P. Chiang	PA1663US	7713

TITLE OF INVENTION: METHOD AND APPARATUS FOR IMPROVED TEMPERATURE CONTROL IN ATOMIC LAYER DEPOSITION

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$1700	03/16/2005
EXAMINER	ART UNIT	CLASS-SUBCLASS			
MEEKS, TIMOTHY HOWARD	1762	427-248100			

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

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3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Novellus Systems, Inc.**San Jose, California**Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are enclosed:

☒ Issue Fee☒ Publication Fee (No small entity discount permitted)☒ Advance Order - # of Copies **Four (4)**

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☐ A check in the amount of the fee(s) is enclosed.☒ Payment by credit card. Form PTO-2038 is attached.☐ The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

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Date

3/3/05

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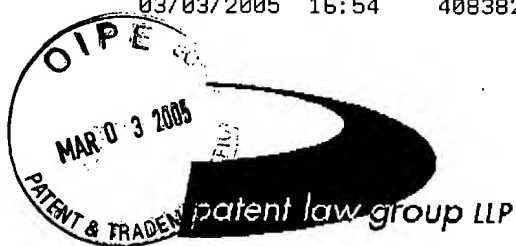
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PTOL-85 (Rev. 11/04) Approved for use through 04/30/2007

PAGE 2/3 * RCVD AT 3/3/2005 7:44:56 PM [Eastern Standard Time] * SVR:USPTO-EFXXF-210 * DNIS:7464000 * CSID:4083820481 * DURATION (mm-ss):01:18 * F COMMERCE



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FACSIMILE COVER SHEET

Date:	March 3, 2005	Fax:	703-746-4000
To:	U.S. Patent and Trademark Office	Phone:	703-305-8283

Issue Fee

From:	Brian D. Ogonowsky
Serial No.:	09/854,092
Docket:	ANG-PA-1663 US
Re:	Payment of Issue Fee
Pages:	3 (including cover sheet)

Message:

Re: Applicant(s): Tony P. Chiang, Karl F. Leeser
 Assignee: Novellus Systems, Inc.
 Title: Method and Apparatus for Improved Temperature Control In Atomic Layer Deposition
 Serial No.: 09/854,092
 Filed: May 10, 2001
 Docket No.: ANG-PA-1663 US

Group Art Unit: 1762

Dear Sir:

Transmitted herewith are the following document in the above-identified application:

- (1) Issue Fee Transmittal, Form PTOL-85 (Part B)(1 page);
- (2) Credit Card Payment Form PTO-2038 (1 page).

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